

Layer (type)	Output Shape	Param #
=====		
=====		
input_1 (InputLayer)	(None, 1)	0
lambda_1 (Lambda)	(None, 512)	0
dense_1 (Dense)	(None, 512)	262656
dropout_1 (Dropout)	(None, 512)	0
dense_2 (Dense)	(None, 128)	65664
dropout_2 (Dropout)	(None, 128)	0
dense_3 (Dense)	(None, 1)	129
=====		
=====		
Total params: 328,449		
Trainable params: 328,449		
Non-trainable params: 0		

2019-06-03 14:15:45.858628: I tensorflow/core/platform/cpu_feature_guard.cc:141] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2

Train on 40000 samples, validate on 10000 samples

Epoch 1/20

40000/40000 [=====] - 89s 2ms/step - loss: 0.3698
- acc: 0.8369 - val_loss: 0.3283 - val_acc: 0.8542

Epoch 2/20

40000/40000 [=====] - 83s 2ms/step - loss: 0.3360
- acc: 0.8530 - val_loss: 0.3223 - val_acc: 0.8612

Epoch 3/20

40000/40000 [=====] - 84s 2ms/step - loss: 0.3253
- acc: 0.8591 - val_loss: 0.3263 - val_acc: 0.8567

Epoch 4/20

40000/40000 [=====] - 85s 2ms/step - loss: 0.3186
- acc: 0.8620 - val_loss: 0.3188 - val_acc: 0.8630

Epoch 5/20

40000/40000 [=====] - 85s 2ms/step - loss: 0.3124
- acc: 0.8655 - val_loss: 0.3167 - val_acc: 0.8630

Epoch 6/20

40000/40000 [=====] - 85s 2ms/step - loss: 0.3057
- acc: 0.8686 - val_loss: 0.3068 - val_acc: 0.8675

Epoch 7/20

40000/40000 [=====] - 85s 2ms/step - loss: 0.3000
- acc: 0.8700 - val_loss: 0.3099 - val_acc: 0.8682
Epoch 8/20
40000/40000 [=====] - 85s 2ms/step - loss: 0.2940
- acc: 0.8738 - val_loss: 0.3195 - val_acc: 0.8588
Epoch 9/20
40000/40000 [=====] - 81s 2ms/step - loss: 0.2895
- acc: 0.8767 - val_loss: 0.3088 - val_acc: 0.8677
Epoch 10/20
40000/40000 [=====] - 85s 2ms/step - loss: 0.2833
- acc: 0.8792 - val_loss: 0.3125 - val_acc: 0.8680
Epoch 11/20
40000/40000 [=====] - 85s 2ms/step - loss: 0.2790
- acc: 0.8808 - val_loss: 0.3147 - val_acc: 0.8646
Epoch 12/20
40000/40000 [=====] - 84s 2ms/step - loss: 0.2737
- acc: 0.8846 - val_loss: 0.3101 - val_acc: 0.8682
Epoch 13/20
40000/40000 [=====] - 84s 2ms/step - loss: 0.2681
- acc: 0.8859 - val_loss: 0.3112 - val_acc: 0.8666
Epoch 14/20
40000/40000 [=====] - 84s 2ms/step - loss: 0.2614
- acc: 0.8904 - val_loss: 0.3094 - val_acc: 0.8673
Epoch 15/20
40000/40000 [=====] - 85s 2ms/step - loss: 0.2571
- acc: 0.8921 - val_loss: 0.3166 - val_acc: 0.8654
Epoch 16/20
40000/40000 [=====] - 82s 2ms/step - loss: 0.2500
- acc: 0.8951 - val_loss: 0.3139 - val_acc: 0.8640
Epoch 17/20
40000/40000 [=====] - 84s 2ms/step - loss: 0.2458
- acc: 0.8969 - val_loss: 0.3218 - val_acc: 0.8659
Epoch 18/20
40000/40000 [=====] - 85s 2ms/step - loss: 0.2376
- acc: 0.8994 - val_loss: 0.3210 - val_acc: 0.8657
Epoch 19/20
40000/40000 [=====] - 84s 2ms/step - loss: 0.2336
- acc: 0.9022 - val_loss: 0.3356 - val_acc: 0.8655
Epoch 20/20
40000/40000 [=====] - 85s 2ms/step - loss: 0.2290
- acc: 0.9035 - val_loss: 0.3390 - val_acc: 0.8627

